

**Appl. No.** : 09/771,144  
**Filed** : January 26, 2001

### REMARKS

In the December 17, 2004 Office Action, the Examiner objects to the Specification because of informalities, objects to Claims 1-23 and 50-55 because of informalities, and finds that Claims 1-23 and 50-55 would be allowable except for the informalities.

#### Discussion of Amendments to the Specification

The Examiner objects to the disclosure because of informalities in the specification and requests Applicants to correct other errors of which Applicants are aware. Applicants have reviewed the Specification and submit herewith corrections for other errors.

For the paragraph starting on page 15, line 14, Applicants have added "phase shifted" before "LO signal 178 applied to the AQDS 110." This amendment is supported by the paragraph starting at page 32 line 8.

For the paragraph starting on page 25, line 23, Applicants have corrected "second in phase adder 1028" to read "first quadrature-phase adder 1028." This amendment is supported by the preceding paragraph.

For the paragraph starting on page 27, line 3, Applicants have added the word "second" to "quadrature-phase adder 1044." This amendment is supported by the paragraph starting at page 25 line 18.

The Examiner objects to "LO output 176" on page 34, line 25 and suggests "LO output 178." Applicants respectfully submit that reference 176 is correct with respect to the signal being described. Applicants have clarified the paragraph starting at page 34, line 23 by changing "LO output 176" to "LO signal 176 from the local oscillator 116." This amendment is supported by the paragraph starting on page 15, line 14 and by Figure 1.

The Examiner objects to "QMCSPP 510" on page 35 line 14. Applicants have amended the paragraph starting on page 35, line 14 to read "QMCSPP 1510" in accordance with the Examiner's suggestion.

For the paragraph starting on page 36, line 30, Applicants have changed "bandwidth" to "baseband" to correct a typographical error.

For the paragraph starting on page 42, line 3, Applicants have changed "a quadrature phase DC offset register 1914" to "a quadrature phase DC offset register 1910" to correct a typographical error on line 5.

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For the paragraph starting on page 42, line 15, Applicants have added "first" to "quadrature-phase adder 1914." This amendment is supported by the paragraph starting on page 42, line 3.

Accordingly, Applicants respectfully submit that appropriate corrections have been made to the Specification and respectfully request the Examiner to withdraw the objection to the Specification due to informalities.

#### **Discussion of Amendments to the Claims**

The Examiner objects to the disclosure because of informalities in the Claims.

With respect to Claims 1-23, Applicants have amended Claims 1-23 to replace "modulator" with "apparatus" in accordance with the Examiner's suggestions.

With respect to Claims 50-55 (and specifically Claim 50 from which Claims 51-54 depend), in addition to adding "and demodulating" to the preamble as suggested by the Examiner, Applicants have amended Claim 50 to read "and demodulating a sample signal," and have added "the method" to the preamble. In addition, Applicants have replaced the article "a" with "the" for antecedence with the now earlier introduced sample signal.

With respect to Claim 52, Applicants have added the article "the" as suggested by the Examiner.

Accordingly, Applicants respectfully submit that appropriate corrections have been made and respectfully request the Examiner to withdraw the objections to Claims 1-23 and 50-55 due to informalities.

#### **Summary**

In view of the foregoing amendments and remarks, Applicants respectfully request the Examiner to withdraw the objections to the Specification and to the Claims and to pass the present application to the issue process.

If there is any further impediment to the prompt allowance of the present application, Applicants request the Examiner to call the undersigned attorney of record at 310-407-3466 or at the telephone number listed below to resolve any such impediment.

Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Appl. No. : 09/771,144  
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Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: Jan. 24, 2005

By: \_\_\_\_\_



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